Sortings 1

Shreya and her mom went into a shopping mall, there they found a very interesting sale of old shoes. In that sale n pair of old shoes are available and prices are assigned on each pair of shoes. In that sale if some shoes are having negative price assigned means the shopkeeper will pay them to buy these shoes. But there is a problem with them they can carry at most p pair of shoes. Can you find how much money they (Shreya and her mom) will earn.

Input Format

First Line contains two integer n and p , number of how many of pair of shoes and pair of shoes they can carry. Second line contains prices of n

Constraints

1

Output Format

Print a single line how much money they will earn

Sample Input 0

```
5 3
-6 0 35 -2 4
```

Sample Output 0

```
8
```

Sample Input 1

```
6 2
22 33 34 12 17 16
```

Sample Output 1

```
0
```

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